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DB=US	DB=USPT; $PLUR=YES$ ; $OP=OR$			
<u>L16</u>	('5910896'  '6594640'  '6397193'  '6260024'  '5315508')[PN]	5	<u>L16</u>	
<u>L15</u>	113 and L14	23	<u>L15</u>	
<u>L14</u>	((705/\$)!.CCLS.)	8608	<u>L14</u>	
<u>L13</u>	15 and L12	64	<u>L13</u>	
<u>L12</u>	111 same 14	1339	<u>L12</u>	
<u>L11</u>	purchase	42127	<u>L11</u>	
<u>L10</u>	18	32	<u>L10</u>	
$DB = U_{s}^{T}$	SPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR			
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<u>L7</u>	weight	2262160	<u>L7</u>	
<u>L6</u>	volume	1491389	<u>L6</u>	
<u>L5</u>	(single or together or one) adj2 (package or shipment)	29692	<u>L5</u>	
<u>L4</u>	delivery	454448	<u>L4</u>	
<u>L3</u>	pack\$	1288749	<u>L3</u>	
<u>L2</u>	((705/26   705/27   705/28   705/29 )!.CCLS.)	4283	<u>L2</u>	
<u>L1</u>	baba-yoshimi\$.in.	55	<u>L1</u>	

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document 1 of 7 Order Document  Examiners' Electronic Digest Database (EEDD)  Accession number & update
000000233 20030603.  Title  The Price is Right.  Publication Information  Turner, Rob. The Price is Right. Money, vol. 28, no. 5, May 1999. p. 199-201.  Abstract  With thousands of Websites selling stuff, how can a shopper unearth bargains? Fortunately, they can make the Internet do the work for them by using one of the many new price comparison Websites (a.k.a. shopping bots.) These sites will search from a few dozen online stores for the lowest price on what the shopper wants. Some of the best sites for comparing prices on books, music and computers /electronics are listed, including: 1. www.bestbookbuys.com, 2. mySimon.com, and 3. Shopper.com.
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☐ d cument 2 f 7 Order Document  Examiners' Electronic Digest Database (EEDD)  Accession number & update 0000000228 20030602.  Title

Electronic Bills of Lading and Functional Equivalence.

### Publication Informati n

Livermore, John; Euarjai, Krailerk. Electronic Bills of Lading and Functional Equivalence. The Journal of Information, Law and Technology, no. 2, June 30, 1998.

### **Abstract**

Merchants are increasingly using computers to facilitate international transactions, and many observers believe that full-fledged electronic commerce is nearing reality. At present, the business community uses a system known as electronic data interchange (EDI). Because EDI is both quick and efficient, the **shipping** industry is expected to benefit greatly from its adoption, particularly in the areas of bills of lading. Unfortunately, numerous technical and legal obstacles have slowed the introduction of EDI, with the chief impediment being the law's insistence on paper-based documentation. Recently, however, several significant steps have been taken to promote the use of EDI. The purpose of this paper is to briefly describe these developments.

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## Accession number & update

0000000049 20030402.

Examiners' Electronic Digest Database (EEDD)

### Title

Probabilistic analyses and practical algorithms for inventory-routing models.

### **Publication Information**

Chan, Lap Mui Ann; Federgruen, Awi. Probabilistic analyses and practical algorithms for inventory-routing models. Operations Research, vol. 46, no. 1, January- February 1998. p. 97.

### Abstract

We consider a distribution system consisting of a **single** warehouse and many geographically dispersed retailers. Each retailer faces demands for a **single** item which arise at a deterministic, retailer specific rate. The retailers' stock is replenished by a fleet of vehicles of limited capacity, departing and returning to the warehouse and combining deliveries into efficient routes. The cost of any given route consists of a fixed component and a component which is proportional with the total distance driven. Inventory costs are proportional with the stock levels. The objective is to identify a combined inventory policy and a routing strategy minimizing system-wide infinite horizon costs. We characterize the asymptotic effectiveness of the class of so-called Fixed Partition policies and those employing Zero Inventory Ordering. We provide worst case as well as probabilistic bounds under a variety of probabilistic assumptions. This insight is used to construct a very effective algorithm resulting in a Fixed Partition policy which is asymptotically optimal within its class. Computational results show that the algorithm is very effective on a set of randomly generated problems.

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### Accession number & update

0000000247 20020823.

Title

Transportation and the net: What's hot, what's not.

### **Publication Information**

Stone, Sarah. Transportation and the net: What's hot, what's not. Purchasing, vol. 126, no. 6, April 22, 1999. p. S27-S29.

**Examiners' Electronic Digest Database (EEDD)** 

### **Abstract**

One use of the Internet that promises to have an impact on transportation and logistics is the recognition on the part of several US government agencies that by making it easy for **shippers** to get information or deal with necessary paperwork online, they can increase compliance and streamline their own infrastructures. Two examples are the US Customs Service and the Census Bureau. A mere year ago, some companies were dismissive of e-commerce, viewing it as at best a fad. Now those same companies, both consumer and business oriented, are hastening to jump into what is rapidly becoming the market of choice. Matching cargo and truck space sounds like a natural for the Internet, and indeed, the National Transportation Exchange is dedicated to getting **shippers** and carriers together via the Web. Industry analysts cite inter-organizational connectivity as the next frontier for making optimum use of the Internet within the purchasing and logistics functions.

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document 6 of 7 Order Document

Examiners' Electronic Digest Database (EEDD)

Title

Subasta.com Enters Into Strategic Partnership With From2.com.

Publication Informati	Pub	lication	Informa	ati r
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Subasta.com Enters Into Strategic Partnership With From2.com. Business Wire, July 16, 1999.

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Examiners' Electronic Digest Database (EEDD)

### Accession number & update

000000063 20020823.

Title

Subasta.com, the Premier Online Auction Board for Latin America, Spain, and the Hispanic Sector of the U.S., Has Attracted Over 60,000 Viewers in Less Than Two Months!.

**Publication Information** 

Subasta.com, the Premier Online Auction Board for Latin America, Spain, and the Hispanic Sector of the U.S., Has Attracted Over 60,000 Viewers in Less Than Two Months! Business Wire, July 16, 1999.

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4	EEDD	select\$ WITH (product\$ OR good\$ OR item\$)	37	show titles
5	EEDD	combin\$ WITH (package\$ OR ship\$)	3	show titles
6	EEDD	4 AND 5	0	•
7	EEDD	1 AND 4	8	show titles
8	EEDD	delivery	96	show titles
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L1: Entry 1 of 1

File: USPT

STATE

Sep 28, 1999

COUNTRY

US-PAT-NO: 5960411

DOCUMENT-IDENTIFIER: US 5960411 A

TITLE: Method and system for placing a purchase order via a communications network

DATE-ISSUED: September 28, 1999

INVENTOR-INFORMATION:

NAME CITY

Hartman; Peri Seattle WA

Bezos; Jeffrey P. Seattle WA

Kaphan; Shel Seattle WA

Spiegel; Joel Seattle WA

ASSIGNEE-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY TYPE CODE

Amazon.com, Inc. Seattle WA 02

APPL-NO: 08/ 928951 [PALM]
DATE FILED: September 12, 1997

INT-CL: [06] <u>G06</u> <u>F</u> <u>17/60</u>

US-CL-ISSUED: 705/26; 705/27, 345/962 US-CL-CURRENT: 705/26; 345/962, 705/27

FIELD-OF-SEARCH: 705/26, 705/27, 380/24, 380/25, 235/2, 235/375, 235/378, 235/381,

395/188.01, 345/962

PRIOR-ART-DISCLOSED:

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	Geardi Geledieu	Geardi ALL Gigal	
PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
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5204897	April 1993	Wyman	380/4
5260999	November 1993	Wyman	384/4
5627940	May 1997	Rohra et al.	395/12
5640501	June 1997	Turpin	395/768

5640577	June 1997	Scharmer	395/768
5664111	September 1997	Nahan et al.	705/27
5715314	February 1998	Payne et al.	380/24
5715399	February 1998	Bezos	705/27
5727163	March 1998	Bezos	705/27
5745681	April 1998	Levine et al.	395/200.3
5758126	<b>M</b> ay 1998	Daniels et al.	395/500

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FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
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0855659 A1	January 1998	EР	
0845747A2	June 1998	EP	
0883076A2	December 1998	EР	
WO 95/30961	November 1995	WO	
WO 96/38799	December 1996	WO	
WO 98/21679	May 1998	WO	

### OTHER PUBLICATIONS

Jones, Chris. "Java Shopping Cart and Java Wallet; Oracles plans to join e-commerce initiative." Mar. 31, 1997, InfoWorld Media Group.
"Pacific Coast Software Software creates virtual shopping cart." Sep. 6, 1996. M2 Communications Ltd 1996.

"Software Creates Virtual Shopping Cart." Sep. 5, 1996. Business Wire, Inc. Terdoslavich, William. "Java Electronic Commerce Framework." Computer Reseller News, Sep. 23, 1996, CMP Media, Inc., 1996, pp. 126,

http://www.elibrary.com/id/101/101/getdoc . . . rydocid=902269@library.sub.--d&dtype=0.about.0&dinst=. [Accessed Nov. 19, 1998].

"Internet Access: Disc Distributing Announces Interactive World Wide." Cambridge Work-Group Computing Report, Cambridge Publishing, Inc., 1995,

http://www.elibrary.com/id/101/101/getdoc . . . docid=1007497@library.sub.--a&dtype=0.about.0&dinst=0. [Accessed Nov. 19, 1998].

Nance, Barry, "Reviews: A Grand Opening for Virtual Storefront With Middleware." Jun. 1, 1997, CMP Media, Inc. 1997, p. 80, http://www.elibrary.com/getdoc.egi? id=117 . . . docid=1257247@library.sub.-- a&dtype=0.about.0&dinst=0. [Accessed Nov. 19, 1998].

"Go-Cart Shopping Cart Software Features." 1996 GO International, Inc.

http://www.go-cart.com/features.html. [Accessed Nov. 19, 1998].

"PerlShop Manual (version 2.2)." 1996, ARPAnct Corp.

http://www.w3u.com/grokksoft/shop/perlman.html. [Accessed Nov. 19, 1998].

"Sax Software Announces Sax NetSell; Sax NetSell's design-time ActiveX controls make Internet commerce easy."1997, Sax Software Corp.

Baron, Chris and Bob Weil, "Implementing a Web Shopping Cart," Dr. Dobb's Journal, Sep. 1996, pp. 64, 66, 68-69, and 83-85.

Hoque, Reaz, "A Shopping Cart Application with JavaScript," Web Techniques, May 1998, pp. 63, 65-66, and 68.

ART-UNIT: 274

PRIMARY-EXAMINER: Trammell; James P.

ASSISTANT-EXAMINER: Smith; Demetra R.

ATTY-AGENT-FIRM: Perkins Coie LLP

#### ABSTRACT:

A method and system for placing an order to purchase an item via the Internet. The order is placed by a purchaser at a client system and received by a server system. The server system receives purchaser information including identification of the purchaser, payment information, and shipment information from the client system. The server system then assigns a client identifier to the client system and associates the assigned client identifier with the received purchaser information. The server system sends to the client system the assigned client identifier and an HTML document identifying the item and including an order button. The client system receives and stores the assigned client identifier and receives and displays the HTML document. In response to the selection of the order button, the client system sends to the server system a request to purchase the identified item. The server system receives the request and combines the purchaser information associated with the client identifier of the client system to generate an order to purchase the item in accordance with the billing and shipment information whereby the purchaser effects the ordering of the product by selection of the order button.

26 Claims, 12 Drawing figures

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L2: Entry 1 of 1

File: USPT

Sep 28, 1999

DOCUMENT-IDENTIFIER: US 5960411 A

TITLE: Method and system for placing a purchase order via a communications network

### Brief Summary Text (7):

Since the purchaser-specific order information contains sensitive information (e.g., a credit card number), both vendors and purchasers want to ensure the security of such information. Security is a concern because information transmitted over the Internet may pass through various intermediate computer systems on its way to its final destination. The information could be intercepted by an unscrupulous person at an intermediate system. To help ensure the security of the sensitive information, various encryption techniques are used when transmitting such information between a client computer system and a server computer system. Even though such encrypted information can be intercepted, because the information is encrypted, it is generally useless to the interceptor. Nevertheless, there is always a possibility that such sensitive information may be successfully decrypted by the interceptor. Therefore, it would be desirable to minimize the sensitive information transmitted when placing an order.

### Brief Summary Text (8):

The selection of the various items from the electronic catalogs is generally based on the "shopping cart" model. When the purchaser selects an item from the electronic catalog, the server computer system metaphorically adds that item to a shopping cart. When the purchaser is done selecting items, then all the items in the shopping cart are "checked out" (i.e., ordered) when the purchaser provides billing and shipment information. In some models, when a purchaser selects any one item, then that item is "checked out" by automatically prompting the user for the billing and shipment information. Although the shopping cart model is very flexible and intuitive, it has a downside in that it requires many interactions by the purchaser. For example, the purchaser selects the various items from the electronic catalog, and then indicates that the selection is complete. The purchaser is then presented with an order Web page that prompts the purchaser for the purchaserspecific order information to complete the order. That Web page may be prefilled with information that was provided by the purchaser when placing another order. The information is then validated by the server computer system, and the order is completed. Such an ordering model can be problematic for a couple of reasons. If a purchaser is ordering only one item, then the overhead of confirming the various steps of the ordering process and waiting for, viewing, and updating the purchaserspecific order information can be much more than the overhead of selecting the item itself. This overhead makes the purchase of a single item cumbersome. Also, with such an ordering model, each time an order is placed sensitive information is transmitted over the Internet. Each time the sensitive information is transmitted over the Internet, it is susceptible to being intercepted and decrypted.

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L2: Entry 1 of 1

File: USPT

Sep 28, 1999

US-PAT-NO: 5960411

DOCUMENT-IDENTIFIER: US 5960411 A

TITLE: Method and system for placing a purchase order via a communications network

DATE-ISSUED: September 28, 1999

INVENTOR-INFORMATION:

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CITY

STATE

ZIP CODE

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Spiegel; Joel

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ASSIGNEE-INFORMATION:

NAME

CITY

STATE

ZIP CODE

TYPE CODE

Amazon.com, Inc.

Seattle WA

02

APPL-NO: 08/ 928951 [PALM]
DATE FILED: September 12, 1997

INT-CL: [06] <u>G06</u> <u>F</u> <u>17/60</u>

US-CL-ISSUED: 705/26; 705/27, 345/962

US-CL-CURRENT: 705/26; 345/962, 705/27

FIELD-OF-SEARCH: 705/26, 705/27, 380/24, 380/25, 235/2, 235/375, 235/378, 235/381,

395/188.01, 345/962

PRIOR-ART-DISCLOSED:

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5204897	April 1993	Wyman	380/4
5260999	November 1993	Wyman	384/4
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Γ.	5715399	February 1998	Bezos	705/27
	5727163	March 1998	Bezos	705/27
	5745681	April 1998	Levine et al.	395/200.3
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0883076A2	December 1998	EP	
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WO 98/21679	May 1998	WO	

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id=117 . . . docid=1257247@library.sub.-- a&dtype=0.about.0&dinst=0. [Accessed Nov. 19, 1998].

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http://www.go-cart.com/features.html. [Accessed Nov. 19, 1998].

"PerlShop Manual (version 2.2)." 1996, ARPAnct Corp.

http://www.w3u.com/grokksoft/shop/perlman.html. [Accessed Nov. 19, 1998].

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